FORM	U.S. Department of Commerce Patent and Trademark Office									Atty. Docket No.				Application No. 10/571,460							
											ik Onice	L	Applicant				10/37 1,400				
INFORMATION DISCLOSURE STABY APPLICANT  Property Sees Several Sheets if necessary													Akira AHASI	II et al.	l et al.						
	ever	al si	heel	ts if i	nece	essa	ry)			Filing Date	Group										
			₹ <b>%</b>	.\						4	•		I.A. Filed Sep	)4	Not Yet Assigned						
		UN 1 3 20	กร	1						U.S. PATE	NT DOCUM	E	NTS				·				
EXAMINAR INITIAL OF					CUMI	ENT	NUM	BER		DATE	NAME		AMF	CLASS	SUBCLASS				IG DATE ROPRIATE		
/K.G./		TRAFFILE	4	9	2	8	T NUMBER B 9 3 1			05/29/90 DISLIC				CDASS	30		JAGO III AII THOI THATE				
5 1		1	2	4	2	8	5	06/23/92	DISLICH							<del> </del>					
5 3		3	7	4	5	9	3	12/20/94	HUARD et al.												
					_					FOREIGN PAT	TENT DOC	UN	MENTS				<del></del>				
				DO	~1 INA1	ENT	NUM	DED		DATE	COUNTRY			CLASS	SUBCLASS			TRANSLATION YES NO			
/K.G./		11	-	2	7	7	2	2	0	10/12/99	JAPAN		CLASS	SUBULASS		A33	YES NO				
I		7	-	2	5	1		6	1	10/03/95	JAPAN	_							<del></del>		
		2000	-	3	1	7	6	2	5	11/21/00	JAPAN										
		11	-	3	0	0	4	6	8	11/02/99	JAPAN										
		8	-	0	9	0	2	1	4	04/09/96	JAPAN		···								
		6 5	-	2	4	4	5	7	0	10/24/87	JAPAN										
		1	-	1	8	0	7	7	6	07/18/89	JAPAN										
			3	0	5	6	2	6	0	06/06/00	JAPAN						•				
		6	_	0	7	1	4	2	4	03/15/94	JAPAN					•					
		10	-	0	5	8	1	2	6	03/03/98	JAPAN							_			
1/		5 9	-	0	0	5	_3	8	8	02/04/84	JAPAN										
V		60	<u> </u>	0	5	7	9	4	2	12/17/85	JAPAN						,				
										<del></del>		e, (	Date, Pertinent	Pages, Etc	.)						
/K.G	./	1	English Language Abstract of JP 11-277220.																		
		2		English Language Abstract of JP 7-251261.																	
		3		English Language Abstract of JP 2000-317625.																	
		4		English Language Abstract of JP 11-300468.																	
	<u> </u>	5		English Language Abstract of JP 8-090214.																	
		6		English Language Abstract of JP 62-244570.  English Language Abstract of JP 1-180776.																	
		8	_	English Language Abstract of JP 3056260.															<del></del>		
		9 English Language Abstract of JP 6-071424.										_		· · ·	··						
		10 English Language Abstract of JP 10-058126.																			
		11	Pan, H.C., Ko, Y.C. "Microstructural and morphological changes of silica and chromite packing sands																		
			for sliding gate system for steel ladles after heating at temperature", Ironmaking and Steelmaking,																		
4	7		1992, vol. 19, no. 5, pp. 390-393.																		
<b>X</b>				<u> </u>																	
EXAMIN	ER	//	Karl (	rl Group/ DATE CONSIDERED 09/20/2007																	
*EXAMIN	NER: ed. Ir	Initial if citat	ion c	onsid	lered	, whe	ether	or no	t cita	ition is in confo	rmance witi	h I	MPEP 609; drav	v line throug	gh cita	tion i	f not in	conformar	ice and not		

FORM PTO-								partment of (			Atty. Dock P29496	cet 140.		Application No. 10/571,460				
PUFORMATION DISCLOSURE STA										aik Office	L	Applicant		<del></del>				
618			~		Akira AHASHI et al.													
· /	seve	eral s	heet	CAN s if n	eces	ssary	')			Filing Date			2004	Group				
JAN	0 8 100.	ابع										I.A. Filed S	Septemt	er 9,	2004	1755		
13		<u>/</u>							U.S. PATE	NT DOCUMI	Eľ	NTS			i .			
EXAMILE INITIAL		DO	СИМ	ENT	NUM	BER		DATE			AME	CLASS SUB		CLASS		G DATE ROPRIATE		
															-			· .
																		<del>, -</del>
								-										
	ļ <u>-</u>																	
																<del></del>		
		<u> </u>									_						ļ <u>.</u>	
		<u> </u>										····· i···		· ·			<u> </u>	
					<del></del>	-			ļ								<del> </del>	
						-				-				<del></del>			ļ	
<del></del>		-															<del> </del>	
	<u> </u>								FORFICN PA	TENT DOCI	IA.	MENTS			L		<u> </u>	
FOREIGN PATENT DOCUMENTS TRANSLATIO														LATION				
114.00	· · · ·	<u> </u>	DOCUMENT NUMBER			DATE				NTRY CLASS		SUBC	LASS	YES	NO			
/K.G./		├	8	4	6	5	1	2	06/10/98	E.PO.								
	5.7	0	9	5		4	5	2	10/20/99	E.P.O.	_			-		·	<del> </del>	
<u> </u>	5 7	-	<u>l</u>	3	9	4	6	6	08/28/82	JAPAN				_			<u> </u>	
<u>.</u>		-								<del> </del>							<del> </del>	
		$\vdash$							<u> </u>					-				
		-								<del> </del>				+				<del> </del> -
·- ·		$\vdash$												$\dashv$	·	_		
					отн	ER D	ocı	ME	NTS (Including	Author, Title	e,	Date, Pertine	nt Pages,	Etc.)			<del> </del>	<u> </u>
/K.G./ English Language Abstract of JP 57-139466.																		
	ļ	<u></u>			·····						_					_		
· · · · · · · · · · · · · · · · · · ·	ļ.					_												
	-						· <u>·</u>											
EXAMINER										1 047		CONCIDED	en é	00/00"				· ·
*EXAMINER: I	nitial if citat	arl C	onside	ered.	wheth	er or r	not ci	itation	is in conforma			609; draw lin		09/20/2 citation		in conform	nance and not	t considered.
Include copy of t	his form wit	h nex	t con	ımuni	cation	1 to an	plica	ınt.			i							